

State Water Project Allocation Process and 2001 Water Supply Outlook

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April 5th, 2001



SWP Allocation Process

- State Water Project Water Supply Contracts
 - 29 SWP Contractors State-Wide
 - Water used for Agricultural, Municipal, and Industrial purposes.
 - State Water Contractors have entitlement contracts for water deliveries up to 4.2 MAF per year.
 - SWC have been allocated 30% of their maximum entitlement for 2001.

SWP Allocation Process

- Model Considerations
 - Projected Reservoir Inflows
 - Snow surveys
 - Runoff forecasts
 - Projected Releases due to Regulatory Obligations
 - (flood control, instream flow, and Delta requirements)
 - Central Valley Project projected operations
 - Local Demands
 - Feather River Service Area users take delivery of approximately 1.0 MAF per year. (FRSA users are expected to receive 100% of their demand this year.)
 - “Carryover” Storage Targets

SWP Allocation Process

- Annual Operations Plan
 - Monthly time-step model
 - Initial allocation in early December
 - Updated each month through May to reflect changes in hydrology and downstream operations.

SWP Allocation Process

- Oroville “Carryover” Storage Target
 - 1/2 of available storage above 1.0 MAF is reserved for subsequent year’s water supply
 - $TS = 1.0 \text{ MAF} + ((BS - 1.0)/2)$
 - TS is target storage for the end of Sept. for the current year
 - BS is the beginning storage from previous year
 - Example: EOM storage Sept. 2000 = 1.92 MAF
TS for 2001 = $1.0 + ((1.92 - 1.0)/2) = 1.46 \text{ MAF}$

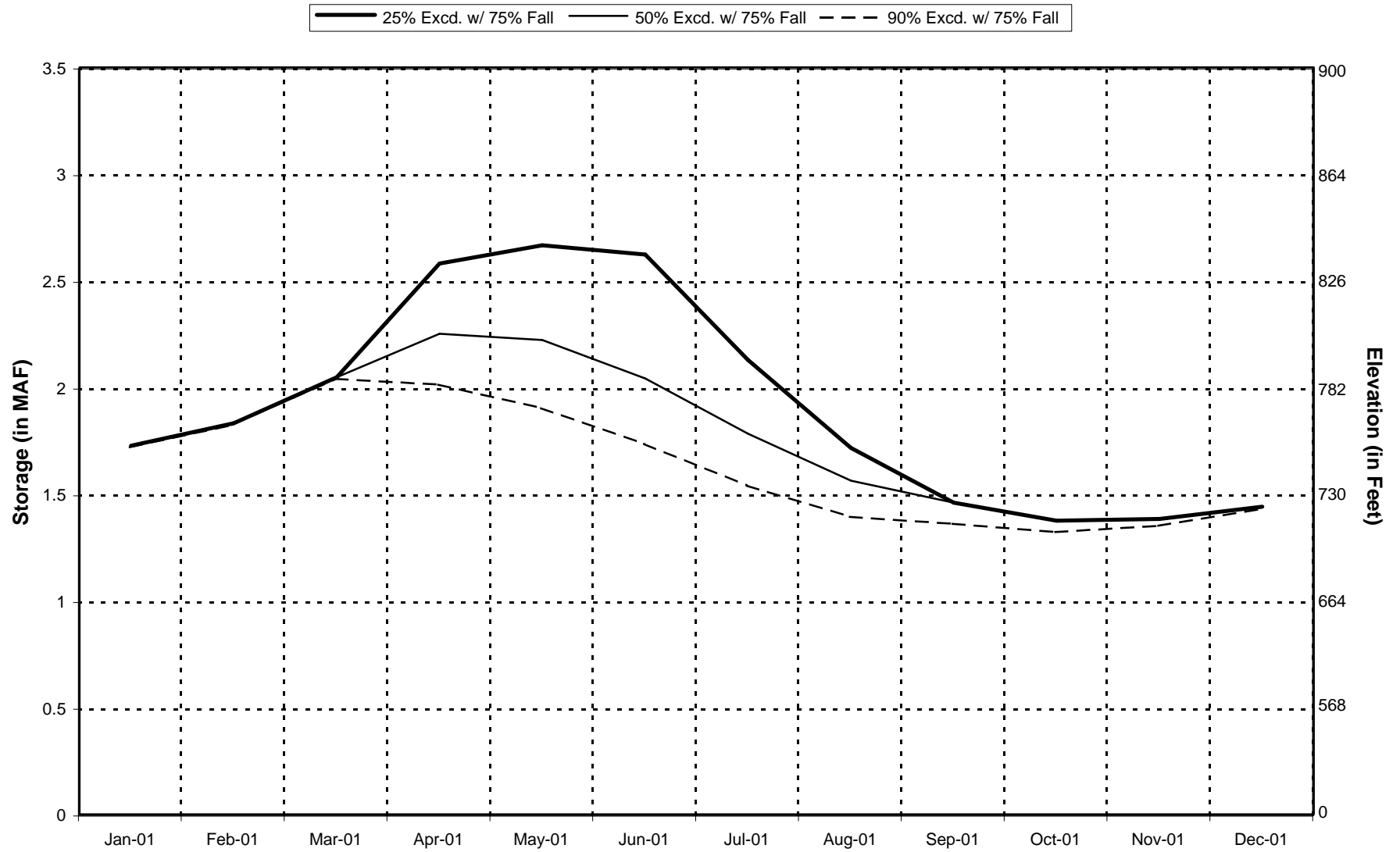
Significant Storage / Elevation Levels

- Maximum Storage 3.5 MAF = 900 ft. elev. Max.
- Maximum Flood Control Storage 2.79 MAF = 848 ft. elev.
- Current Storage 2.07 MAF = 789 ft. elev.
- 2001 Allocation Target 1.46 MAF = 725 ft. elev
- Bottom of Spillway Marina Boat Ramp = 725 ft. elev.
- Minimum Allocation Storage 1.0 MAF = 664 ft. elev.
- Minimum Operating Storage 0.85 MAF = 640 ft. elev.

2001 Water Supply Outlook

- Current Northern Sierra precipitation is 65% of average.
- Current Northern California snowpack water content is 60% of average.
- SWP allocation for 2001 is currently 30% of requested demand.

2001 Forecasted Oroville Storage



HISTORICAL END-OF-MONTH STORAGE AT OROVILLE

